

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. D AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-588 REV. 0 OR LATER APPROVED REVISION

REF. TCCA STC: SH92-41

REF. FAA STC: SH1012NE

AND TO AMEND INSTALLATION INSTRUCTIONS D350-589 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-589 REV. 1 OR LATER APPROVED REVISION

REF. TCCA STC: SH92-41

REF. FAA STC: SH1012NE

AND TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-600 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-600 REV. 5 OR LATER APPROVED REVISION

REF. TCCA STC: SH93-88

REF. FAA STC: SR00098NY/SR00099NY

REF. EASA STC: EASA.IM.R.S.01292

AND TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-780 REV. B AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D130-780 REV. 1 OR LATER APPROVED REVISION

REF. TCCA STC: SH93-88

REF. FAA STC: SR00098NY

REF. EASA STC: EASA.IM.R.S.01292

1.0 PURPOSE

The purpose of this Service Instruction is to address customer concerns with leaking water around the D2586 Latch. The DSI 9760-011/-013 kits include weatherproof latches and associated hardware to replace the existing D2586 latches at the customer's option. This DSI applies to the following Dart kits:

AIRCRAFT MODEL	DART KIT	DSI KIT REQ'D
EC130 SERIES	D130-780-043 (INCLUDED IN D130-780-041)	DSI 9760-011
	D130-780-044 (INCLUDED IN D130-780-042)	DSI 9760-011
AS 350/355 SERIES	DSI 9189-011	DSI 9760-011
	D350-588-041	DSI 9760-011
	D350-588-011	DSI 9760-011
	D350-589-011	DSI 9760-013
	D350-589-041	DSI 9760-013
	D350-589-042	DSI 9760-013
	D355-589-043	DSI 9760-013
	D350-600-145 (INCLUDED IN D350-600-141 AND D355-600-143)	DSI 9760-013
	D350-600-146 (INCLUDED IN D350-600-142)	DSI 9760-013
	D350-600-245 (INCLUDED IN D350-600-241 AND D355-600-243)	DSI 9760-011
	D350-600-246 (INCLUDED IN D350-600-242)	DSI 9760-011

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 16.10.04
CERT. NO.: SH93-88/SH92-41
ISSUE NO.: 6/8

APPROVED

A	NEW ISSUE	VS	16.10.04
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9760	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	WEATHERPROOF LATCH	NTS
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2.0 INSTALLATION

- 2.1 Remove the D2585/D2588 Mounting Channels, D2621 Latch Plates and associated hardware per Figure 1. Retain the D2585/D2588 Mounting Channels and D2621 Latch Plates. Remove the D2586 Latches.
- 2.2 Install the D5275-041 Door Latch Assys in existing mounting hole using hardware shown in Figure 1 and the retained parts for step 2.1. Torque MS21042L3 Nuts to 15-25 in-lb (1.7-2.8 N-m). Adjust screws to ensure compression of door seal and lock in position with nuts. Check latches for proper operation by opening and closing the door and latches several times.
- 2.3 Update aircraft logbook to indicate installation of the DSI 9760-011/-013 Weatherproof Latch kit as applicable.

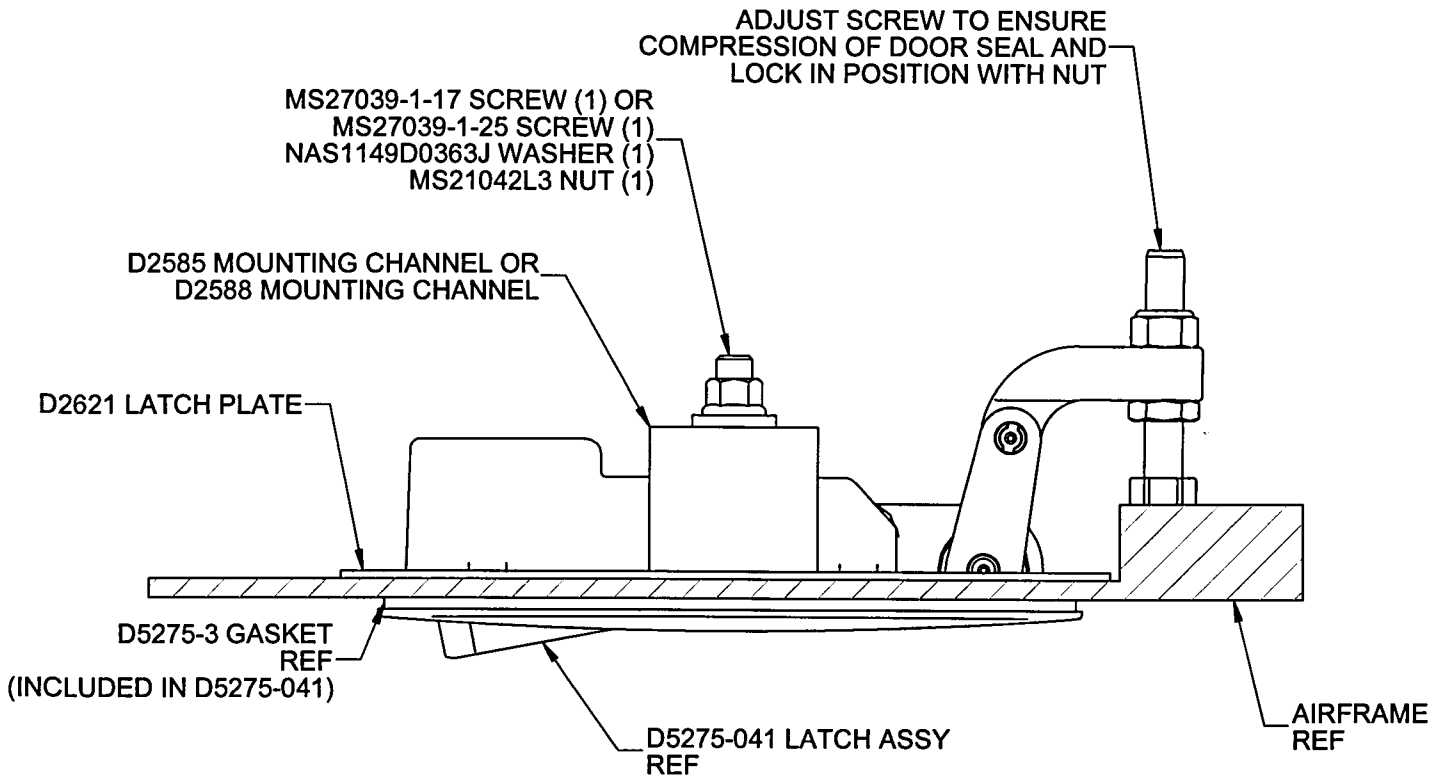


Figure 1 - Door Latch Installation and Removal

APPROVED

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9760	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	WEATHERPROOF LATCH	NTS
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3.0 MAINTENANCE

Maintain D5275-041 Latch Assy per the applicable Instructions for Continued Airworthiness (ICA) for the D2586 Latch.

4.0 WEIGHT AND BALANCE

This change has negligible effect on Weight and Balance.

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9760-011	WEATHERPROOF LATCH KIT
	X	DSI 9760-013	WEATHERPROOF LATCH KIT
2	3	D5275-041	DOOR LATCH ASSY
2	3	MS27039-1-17	SCREW
2	3	MS27039-1-25	SCREW
2	3	NAS1149D0363J	WASHER
2	3	MS21042L3	NUT

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DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9760 SHEET 3 OF 3
APPROVED	HS	TITLE SCALE
DE APPR.	DS	WEATHERPROOF LATCH NTS
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